AMENDMENTS TO THE CLAIMS

1.   (Currently Amended) A method for determining by a UTRAN a persistence value for adjusting a number of access preambles from a plurality of UEs requiring assignment of a common packet channel (CPCH), the method comprising the steps of:

counting the number of the access preambles detected in an access preamble period having a predetermined period for each transport format; ~~and~~

determining the persistence value based on the number of counted access preambles for each transport format; and

transmitting the determined persistence value to the UEs in a cell controlled by a Node B.

2.   (Cancelled)

3.   (Original) The method as claimed in claim 1, wherein the persistence value is determined in a unit of physical common packet channel (PCPCH).

4.   (Original) The method as claimed in claim 1, wherein the persistence value is determined in a unit of CPCH set.

5.   (Currently Amended) A method for determining by a UTRAN a persistence value for adjusting a number of CD (Collision Detection) preambles from a plurality of UEs requiring a CPCH, the method comprising the steps of:

counting the number of CD access preambles detected in an access preamble period having a predetermined period for each transport format; ~~and~~

determining the persistence value based on the number of counted CD access preambles for each transport format; and

transmitting the determined persistence value to the UEs in a cell controlled by a Node B.

6.   (Cancelled)

7.   (Original) The method as claimed in claim 5, wherein the persistence value is determined in a unit of PCPCH.

8.   (Original) The method as claimed in claim 5, wherein the persistence value is determined in a unit of CPCH set.

9.   (Cancelled)

10.   (Cancelled)

11.   (Cancelled)

12.   (Cancelled)

13.   (Currently Amended) A method for adjusting common packet channel (CPCH) access attempts depending on a number of CPCH access attempts preambles from a plurality of user equipments (UEs) requiring assignment of CPCH, comprising the steps of:

requesting measurement of the CPCH access attempts;

upon receipt of a measurement request, counting the number of the CPCH access attempts preambles transmitted from the UEs per unit time and reporting the counted value during a time unit;

reporting the counted number of the CPCH access preambles to a controlling radio network controller (CRNC);

determining, in a the CRNC (Control Radio Network Controller), a persistence values of each transport format based depending on the number of the CPCH access attempts preambles reported; and

providing the determined persistence values to a UTRAN the UEs;

performing in a UE, a persistence test by using the provided persistence values before transmitting a common packet channel access preamble;

transmitting the common packet channel access preamble to the Node B when the persistence test allows the transmission of the common packet channel access preamble;

upon receiving an acknowledge message from the Node B, transmitting a collision detection preamble from the UE to the Node B; and

transmitting a common packet channel message from the UE to the Node B if the UE received an acknowledge message for the collision detection preamble from the Node B.

14.   (Cancelled)

15.   (Cancelled)

16.   (Cancelled)

17.   (Original) The method as claimed in claim 13, wherein the step of counting the number of CPCH access attempts is performed in a unit of PCPCH.

18.   (Original) The method as claimed in claim 13, wherein the step of counting the number of CPCH access attempts is performed in a unit of CPCH set.

19.   (New) The method as claimed in claim 13, wherein the acknowledge message for the collision detection preamble is a collision detection indicator channel message.

20.   (New) The method as claimed in claim 13, wherein the acknowledge message for the collision detection preamble is a collision detection/channel assignment-indicator channel message.